

ABSTRACT OF THE DISCLOSURE

Embodiments of an apparatus and method can control a fan drive in a computer system. Such embodiments of apparatus and methods can alternately output a plurality of pulse width modulation (PWM) control signals at a predetermined time ratio and variably control a rotation speed of a cooling fan. The embodiments can use simple hardware based upon N-bit resolution in a PWM control signal generator included in the computer system for controlling the rotation speed of the cooling fan decreasing an internal temperature, such that the rotation speed of the cooling fan can be precisely and variably controlled, equally with the effect of an operation for controlling the fan drive using hardware based upon resolution of more than the N bits. Further, a physical configuration can be effectively simplified, and unnecessary power consumption can be reduced or prevented.